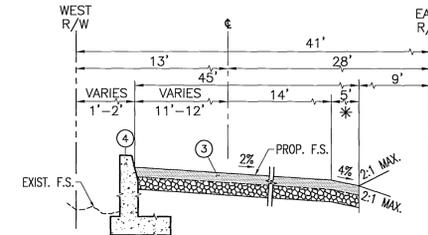


STREET IMPROVEMENT PLANS

FOR

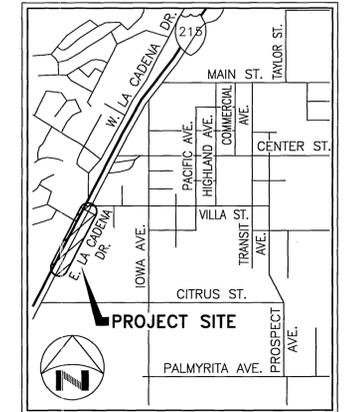
EAST LA CADENA DRIVE

CITY OF RIVERSIDE



EAST LA CADENA DRIVE
TYPICAL SECTION TI=7.0

N.T.S.
* CONSTRUCT GRADED EARTHIN SHOULDER FROM STA. 29+00 TO STA. 31+75 AND A PAVED SHOULDER FROM STA. 31+75 TO STA. 33+75.



T.2S., R.4W., S.B.M.
VICINITY MAP
NOT TO SCALE

GENERAL STREET NOTES:

- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT AND THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY OR COUNTY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY (THIS NOTE REQUIRED ON ALL PLANS.)
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON THE PLANS AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
- ALL OVERHANGING TREE LIMBS THAT ARE LESS THAN 14' ABOVE THE STREET GRADE SHALL BE TRIMMED BACK.
- CONSTRUCT BLOCK WALL PER RIVERSIDE CITY STANDARD 704 OR APPROVED DESIGNS (SEE PLAN FOR HEIGHT(S)).
TYPE/COLOR OF BLOCK MORTAR COLOR OTHER
SIZE TYPE/COLOR CAP
THIS WALL REQUIRES A PERMIT AND INSPECTION FROM THE PUBLIC WORKS ENGINEERING DIVISION.
- ON ALL AREAS WITHIN PUBLIC RIGHT-OF-WAY WHERE THE FILL IS ONE (1) FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOILS ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.
- ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
- FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
- CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
- IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.

GENERAL CONSTRUCTION NOTE

- CONTRACTOR SHALL NOT DISTURB EXISTING SURVEY MONUMENTS OR BENCHMARKS. IF MONUMENTS MUST BE REMOVED, SAID MONUMENTS SHALL BE RESET PURSUANT TO THE BUSINESS AND PROFESSIONS CODE, SECTIONS 8700 TO 8805 (LAND SURVEYOR'S ACT) AND COUNTY OF RIVERSIDE STANDARD NO. 901 AND 903.

PUBLIC UTILITIES DEPARTMENT NOTE

DEVELOPER TO GIVE CITY WATER DIVISION FIVE (5) WORKING DAYS WRITTEN NOTICE PRIOR TO START OF CONSTRUCTION AND ALLOW THE CITY FIFTEEN (15) WORKING DAYS FOR COMPLETION OF WORK (951) 351-6368

ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTING, AND APPROXIMATE LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID SUBSTRUCTURES NOR FOR UTILITIES OR IRRIGATION SUBSTRUCTURES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK ON EXCAVATION TO DETERMINE EXACT LOCATION OF ALL SUBSTRUCTURES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION TO THESE SUBSTRUCTURES.

THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (U.S.A.) PHONE 1-800-227-2600 TWO (2) WORKING DAYS PRIOR TO DIGGING. NO CONSTRUCTION PERMIT ISSUED BY PUBLIC WORKS DEPARTMENT SHALL BE VALID INVOLVING UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS AN INQUIRY IDENTIFICATION NUMBER ISSUED BY U.S.A.

CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS 48 HOURS PRIOR TO BEGINNING CONSTRUCTION TO COORDINATE RELOCATION OR PROTECTION OF EXISTING UTILITIES.

CITY ACCEPTANCE OF PLANS DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE CORRECTION OF ERROR AND OMISSION DISCOVERED DURING CONSTRUCTION. UPON REQUEST OF THE CITY INSPECTOR, THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR REVIEW.

BENCHMARK

POINT ID: 600-56-68
1929 ELEVATION: 946.860 1988 ELEVATION: 951.289
DATE LEVELED: 1970 DATE LEVELED: 0
REFERENCE: U.S.C.&G.S. REFERENCE:
ADJUSTMENT YEAR: 1971 ADJUSTMENT YEAR: 2009
1st ORDER POINT DESCRIPTION:
A STANDARD U.S.C.&G.S. BRASS DISK STAMPED "Z 38 RESET 1946" SET IN THE TOP OF THE CONCRETE FOUNDATION OF THE FORMER HIGHGROVE RAILWAY STATION, 205' SOUTH ALONG THE A.T.&S.F. RAILROAD TRACKS FROM THE CENTER STREET CROSSING. RECOVERED 1996 IN GOOD CONDITION. THE BUILDING IS NOW REMOVED AND THE POINT REMAINS IN THE CONCRETE FOUNDATION FLUSH WITH THE GROUND.

BASIS OF STATIONING

CENTERLINE INTERSECTION OF EAST LA CADENA DRIVE AND CITRUS STREET AS STA. 15+67.41 PER R-3282.

BASIS OF BEARING

THE HORIZONTAL DATUM FOR THIS SURVEY IS GROUND BASED COORDINATE SYSTEM BASED ON THE CALIFORNIA COORDINATE SYSTEM NAD 83, ZONE 6 (CORS96), (EPOCH: 2002.0000), ITRFD0 (EPOCH: 2008.0075) AS DERIVED FROM GPS OBSERVATIONS FROM CORS STATIONS "LA WAAS 1", "POINT LOMA 5", AND "GOLDSTONE DS" TO POINTS 33 AND 128. THE COMPUTED OPUS COORDINATE @ POINT 33 IS HELD AS THE GROUND COORDINATE AND THE ORIGIN OF SCALING GRID TO GROUND. THE GRID AZIMUTH OF N 31° 38' 54" E IS HELD FIXED FROM POINT 33 TO 128. THE MEAN COMBINATION SCALE FACTOR IS APPLIED AS FOLLOWS GRID/0.99998452-GROUND. POINT 33: NORTH 2315020.1275ft., EAST 6233332.9135ft.

THE CONVERGENCE ANGLE AS CALCULATED @ POINT 33 IS -0.59537514 (DECIMAL DEGREES).

AERIAL CONTROL & CENTERLINE LOCATIONS WERE MEASURED WITH GPS AND DIFFERENTIAL LEVELING METHODS.

COUNTY GENERAL NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER OR CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND/OR PERMITS MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
PHONE: (951) 955-6790
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO PAVING THE STREET, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, STORM DRAINS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR DEVELOPER TO INSTALL AND MAINTAIN CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE COUNTY.
A TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO OBTAINING AN ENCROACHMENT PERMIT.
APPLIED AT A RATE OF 0.05 AND 0.03 GALLON PER SQUARE YARD RESPECTIVELY. ASPHALTIC
- ALL STREET SECTIONS ARE TENTATIVE. ADDITIONAL SOIL TESTS MAY BE TAKEN BY THE COUNTY AFTER ROUGH GRADING TO DETERMINE THE EXACT STREET SECTION REQUIREMENTS. USE STANDARD NO. 401 IF EXPANSIVE SOILS ARE ENCOUNTERED.

CONSTRUCTION NOTES		
NO.	DESCRIPTION	QUANTITIES
①	SAWCUT AND REMOVE EXISTING AC PAVEMENT	13,150± SF
②	SAWCUT AND REMOVE EXISTING CONCRETE CURB	425± LF
③	CONSTRUCT 6" OF AC PAVEMENT OVER 6" OF CLASS II AGGREGATE BASE MATERIAL PER SOILS REPORT	13,150± SF
④	CONSTRUCT CONCRETE RETAINING CURB/WALL PER DETAIL ON SHEET 3 (6" C.F.)	425± LF
⑤	GRIND 0.10" AND OVERLAY EXISTING AC PAVEMENT	115± SF
⑥	CONSTRUCT CONCRETE BLOCK RETAINING/STEM WALL (3' MAX HEIGHT) PER CITY OF RIVERSIDE BUILDING DEPARTMENT RETAINING WALL STANDARD (TYPE 1).	31± LF
⑦	INSTALL 2"x4" REDWOOD HEADER AT EDGE OF PAVING OR MATCH EXISTING AC PAVING.	475± LF
⑧	PAINT 4" WIDE YELLOW CENTERLINE STRIPE PER CALTRANS STANDARD PLAN NO. A20A, DETAIL 1.	479± LF
⑨	PAINT 4" WIDE SOLID WHITE EDGE STRIPE PER CALTRANS STANDARD PLAN NO. A20B, DETAIL 27B.	479± LF

APPROXIMATE EARTHWORK QUANTITIES

EXCAVATION: 6.4± CUBIC YARDS
EMBANKMENT: 908± CUBIC YARDS

NOTICE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY & HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION, SAFETY ORDERS." THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTOR OR SUBCONTRACTOR'S COMPLIANCE WITH SAID REGULATIONS AND ORDERS. CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE COMPLETED RESPONSIBILITY FOR THE JOB SITE CONDITION DURING THE COURSE OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

COUNTY GENERAL NOTES, CONT.

- ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NOT LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING. FOG SEAL AND PAI BINDER SHALL BE EMULSION SHALL CONFORM TO SECTION 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS.
- ANY PRIVATE DRAINAGE FACILITIES SHOWN ON THESE PLANS ARE FOR INFORMATION ONLY. BY SIGNING THESE IMPROVEMENT PLANS, NO REVIEW OR APPROVAL OF THOSE PRIVATE FACILITIES IS IMPLIED OR INTENDED BY THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT.
- CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNERS/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB), PREPARE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
B. PRIOR TO ANY CONSTRUCTION, THE DEVELOPER SHALL PROVIDE THE COUNTY A COPY OF THE NOI WITH A VALID WDD NUMBER.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SIGNS AND MARKINGS NOT INCLUDED IN THE SIGNING AND STRIPING PLAN WITHIN THE PROJECT AREAS, OR ON ROADWAYS ADJACENT TO THE PROJECT BOUNDARIES, UPON THE REQUEST OF THE DIRECTOR OF TRANSPORTATION OR HIS DESIGNEE, TO IMPROVE TRAFFIC SAFETY ON THE ROADS UNDER THE JURISDICTION OF THE DEVELOPER.



NOTE:
WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



KRIEGER & STEWART INCORPORATED
3602 University Ave. • Riverside, CA. 92501 • 951-684-6900
APPROVED BY: *R. J. A. Wall*
REGISTERED ENGINEER No. 46020 DATE 05/10/11

MARK	REVISIONS	APPR.	DATE
DESIGNED BY: MWE	DRAWN BY: MWE	CHECKED BY: MEM	

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: *[Signature]*
INSPECTION: *[Signature]*
SURVEYOR: *[Signature]*
TRAFFIC DIVISION: *[Signature]*
DATE: *[Signature]*

MS 4234 IP 090075 W.O. 6100016 PW11-0146

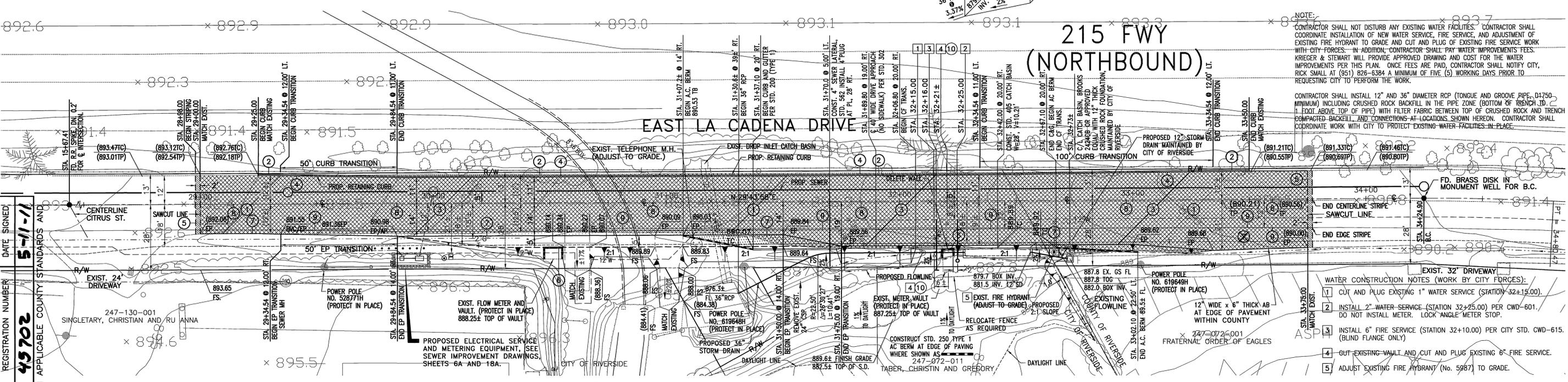
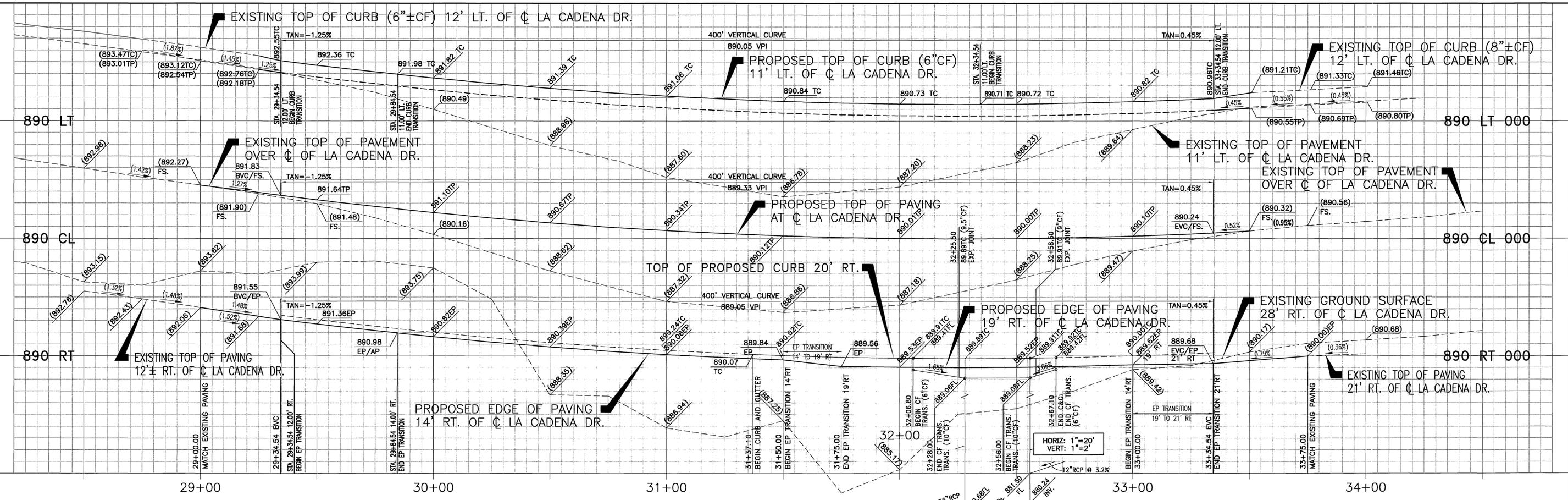
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-WATER
APPROVED BY: *MW McLe* DATE: 5/17/11

CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD-UNDERGROUND
APPROVED BY: *[Signature]* DATE: 5/17/11

STREET IMPROVEMENT PLAN
COMMUNITY OF HIGHGROVE
TITLE SHEET
EAST LA CADENA DRIVE
STA 29+25.00 TO STA 55+50.00
HORIZ. SCALE: AS SHOWN VERT. SCALE: AS SHOWN
ACCT. No. W.O. No. R-4214
SHEET 1 OF 3
FILE NO.:

PLAN CHECK OVERSIGHT ENGINEER: *Alan Frenk*
REGISTRATION NUMBER: 45702
DATE SIGNED: 5-11-11
APPROVED AS TO CONFORMANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

DWG. NO.: 807-392.3 - REVISED FILE NO.: 807-37 UPDATE BY: SPK_PRCJ. ENG.: RAN_PLOT DATE: 09/27/11 PLOT TIME: 8:55AM PLOT SCALE: 1"=1'



PLAN CHECK OVERSIGHT ENGINEER
Alan Frank
 APPROVED AS TO CONFORMANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

IMPORTANT NOTICE
 Section 4216/4217 of the Government Code requires a Dig Alert identification number to be issued before a "Horned to Excavate" will be valid. For your Dig Alert I.D. Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

NOTE:
 WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.



- CONSTRUCTION NOTES**
- SAWCUT AND REMOVE EXISTING AC PAVEMENT
 - SAWCUT AND REMOVE EXISTING CONCRETE CURB
 - CONSTRUCT 6" OF AC PAVEMENT OVER 6" OF CLASS II AGGREGATE BASE MATERIAL PER SOILS REPORT
 - CONSTRUCT CONCRETE RETAINING CURB PER DETAIL SHOWN HEREON (6"CF.)
 - GRIND 0.10" AND OVERLAY EXISTING AC PAVEMENT
 - CONSTRUCT CONCRETE BLOCK RETAINING/STEM WALL (3' MAX HEIGHT) PER CITY OF RIVERSIDE BUILDING DEPARTMENT RETAINING WALL STANDARD (TYPE 1).
 - INSTALL 2"x4" REDWOOD HEADER AT EDGE OF PAVING OR MATCH EXISTING AC PAVING.
 - PAINT 4" WIDE YELLOW CENTERLINE STRIPE PER CALTRANS STANDARD PLAN NO. A20A, DETAIL 1.
 - PAINT 4" WIDE SOLID WHITE EDGE STRIPE PER CALTRANS STANDARD PLAN NO. A20B, DETAIL 27B.
 - CONTRACTOR SHALL REMOVE PORTIONS OF VAULT WITHIN 5' FEET OF FINISHED GRADE AFTER CITY FORCES CUT AND PLUG FIRE SERVICE.

PUBLIC UTILITIES DEPARTMENT-WATER
 APPROVED BY *MW McNeil* DATE 5/17/11

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD-UNDERGROUND
 APPROVED BY *SWH* DATE 5/17/11

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



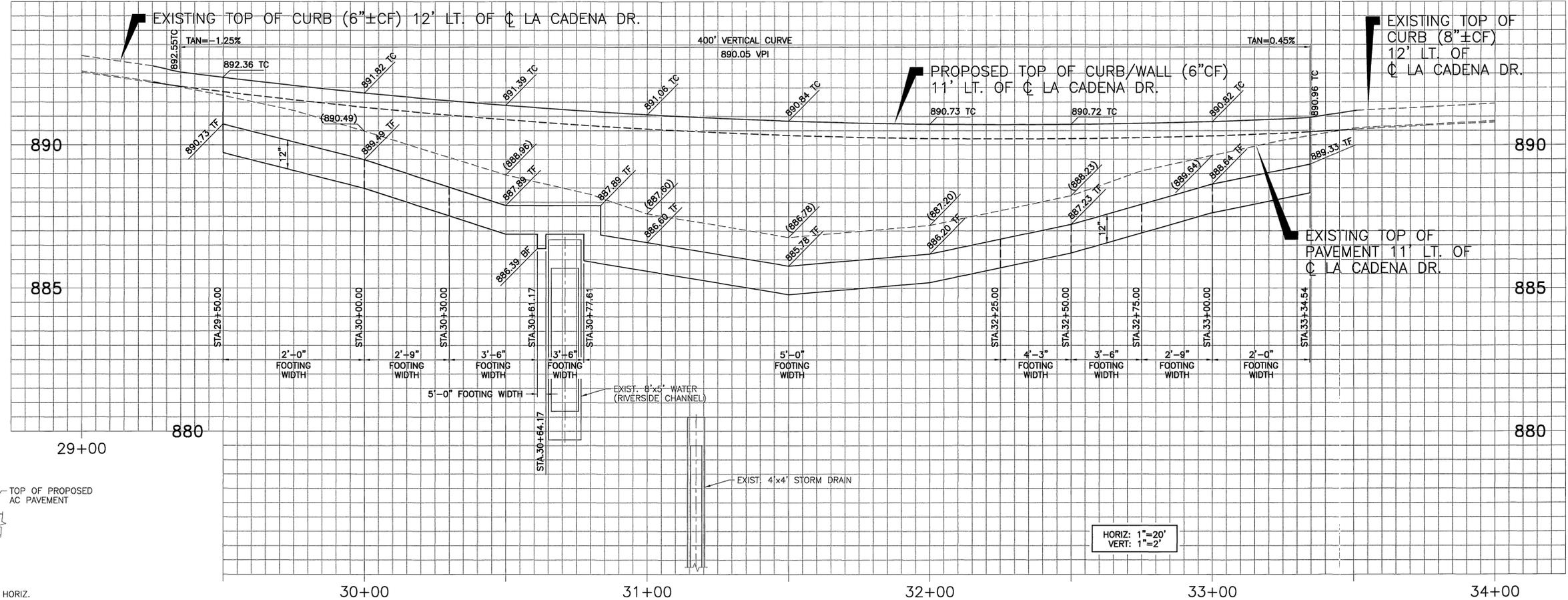
KRIEGER & STEWART INCORPORATED
 3602 University Ave. - Riverside, CA. 92501 - 951-684-6900
 APPROVED BY *Randy A. Neff* REGISTERED ENGINEER No. 46020 DATE 05/10/11

MARK	REVISIONS	DATE
	ADDED TABER IMPROVEMENTS	2/2 6/2/11

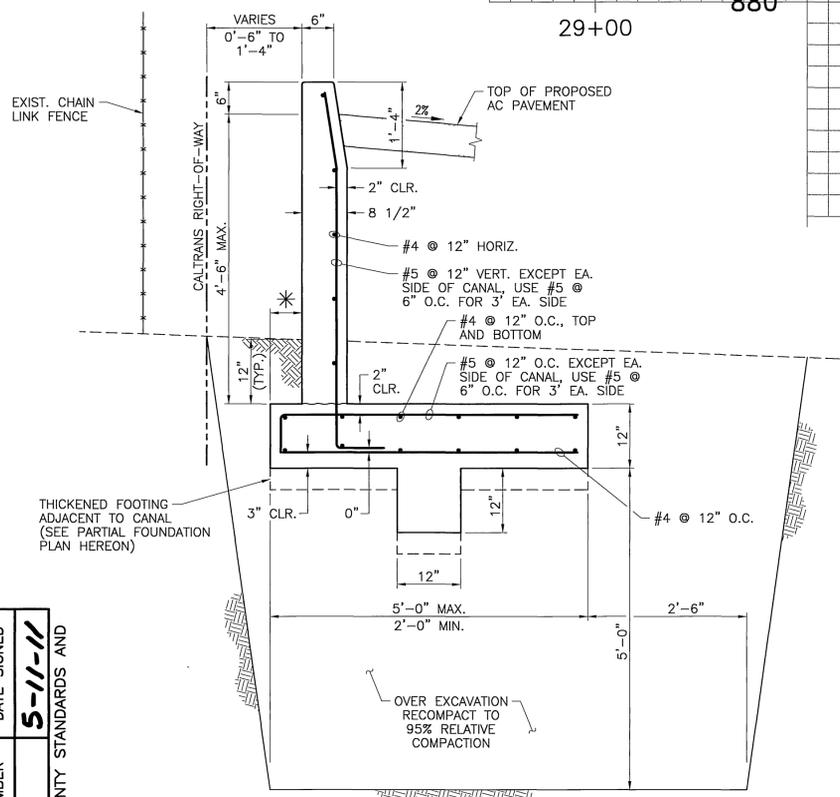
CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Stacy* CITY ENGINEER
 DATE 5/17/11

MS 4234 IP 090075 W.O. 10-00009 PW11-0146
STREET IMPROVEMENT PLAN
 COMMUNITY OF HIGHGROVE CENTER STREET TRUNK SEWER
STREET IMPROVEMENT PLAN
 STA.29+00.00 TO STA.33+50.00
 SHEET 2 OF 3
 HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=2'
 FILE NO.: R-4214

AS-BUILT PLAN ACCEPTED 2/2 DATE 10/13/11

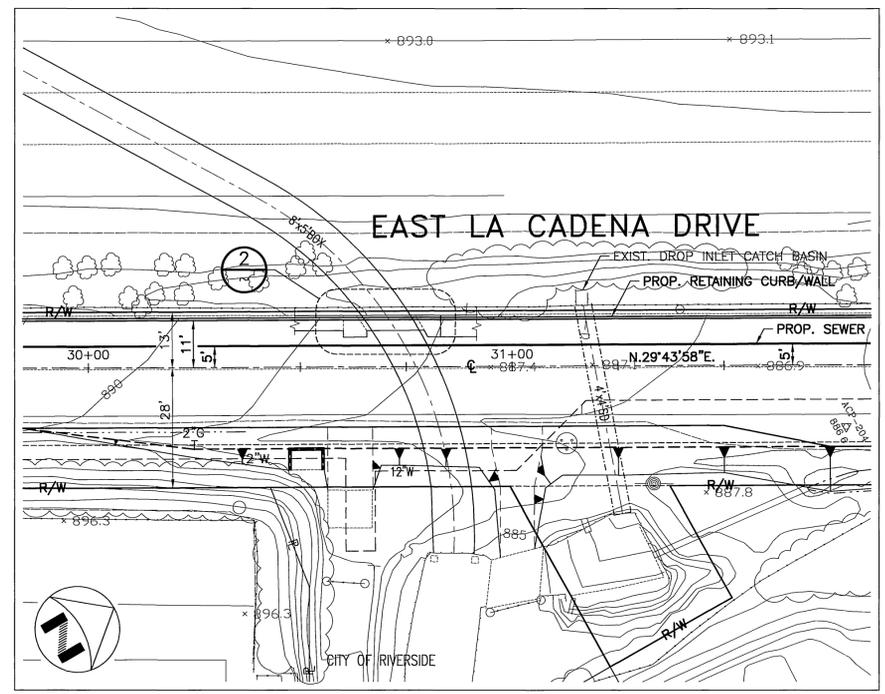


* 3" FROM STA. 29+50.00 TO STA. 30+00.00 AND FROM STA. 33+00.00 TO STA. 33+34.54
 6" FROM STA. 30+00.00 TO STA. 33+00.00



RETAINING CURB/WALL DETAIL

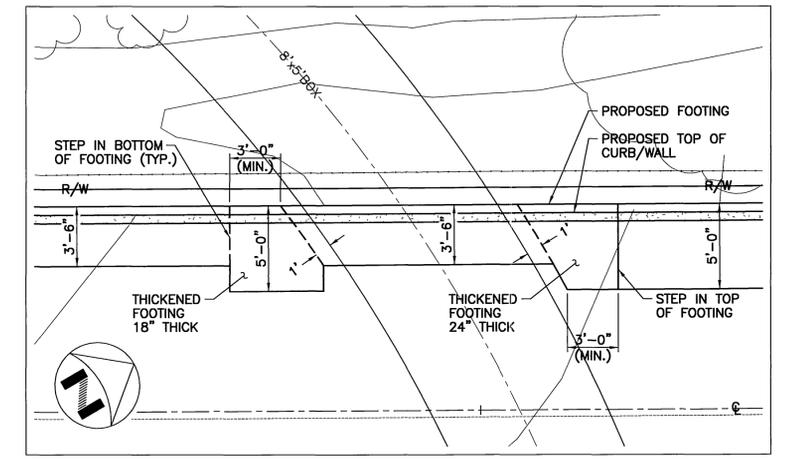
SCALE: 3/4"=1'-0"



EAST LA CADENA DRIVE

PLAN

SCALE: 1"=20'



PARTIAL FOUNDATION PLAN

SCALE: 1"=5'

IMPORTANT NOTICE
 Section 4916.417 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be void. For your Dig Alert ID Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

NOTE:
 WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

PLAN CHECK OVERSIGHT ENGINEER: *Alan Fland* DATE SIGNED: 5-11-11
 REGISTRATION NUMBER: 45702
 APPROVED AS TO CONFORMANCE WITH APPLICABLE COUNTY STANDARDS AND PRACTICES.

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-WATER
 APPROVED BY: *MW McNeil* DATE: 5/17/11

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD-UNDERGROUND
 APPROVED BY: *S. Blum* DATE: 5/17/11

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



KRIEGER & STEWART INCORPORATED
 3602 University Ave. - Riverside, CA. 92501 - 951-684-6900
 APPROVED BY: *R. A. Neff*
 REGISTERED ENGINEER No. 46020 DATE 05/10/11

MARK REVISIONS APPR. DATE
 DESIGNED BY MWE DRAWN BY MWE CHECKED BY MEM

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *[Signature]*
 CITY ENGINEER
 DATE: 5/24/11

MS 4234 IP 090075 W.O. 6100016 PW11-0146
 STREET IMPROVEMENT PLAN
 COMMUNITY OF HIGHGROVE CENTER STREET TRUNK SEWER
STREET IMPROVEMENT RETAINING WALL PROFILE AND DETAILS
 ACCT. No. W.O. No. R-4214
 SHEET 3 OF 3
 FILE NO.: